## **CLAIMS ONLY**

SERIAL NO. FILING DATE 01-10-0 2

APPLICANT(S)

CLAIMS

	ASE	ILED	AFTER		AFTER			
				NDMENT	2nd AME	-		
	IND.	DEP.	IND.	DEP.	IND.	DEP.		
1			ļ					
_2		1	<b>.</b>		<b>.</b>	ļ		
3		<u> </u>	ļ					
4		!	<u> </u>					
5						<u> </u>		
6		<u> </u>						
7		<b> </b>  _						
8		igwdown						
9								
10		<del></del>						
11								
12		<b> </b> {						
13		$\vdash \vdash$						
14		<u> </u>	<u> </u>		1			
15			<u> </u>	ļ	ļ	L		
16		<del>                                      </del>	<b></b>			ļ		
17				ļ		ļ		
18			ļ					
19								
20								
21			<u> </u>	ļ		1		
22			<u> </u>		<u> </u>			
23					<u> </u>	ļ		
24			<u> </u>		<u> </u>			
25								
26								
27					<u> </u>	<u> </u>		
28		Lí			<u> </u>	<u> </u>		
29					<u> </u>	<u> </u>		
30		11	<u> </u>			ļ		
31								
32			<u> </u>					
33			<u> </u>					
34								
35			<u> </u>		<u> </u>			
36			<u> </u>		l			
37								
38								
39						L		
40								
41		1						
42								
43					<u></u>			
44		L i						
45								
46		1						
47		<u> </u>						
48		1						
49		1			1	Ī		
50			1		Î	1		
TOTAL		<u> </u>						
IND.	<u> </u>		<b></b>		<u> </u>			
DEP.	<u> </u>	· .	<u> </u>	-				
TOTAL	1	1	1	l	1	1		

3						
	*		*		*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
51		1				
52						_
53	ĺ	T	i -			
54		1				
55		ĺ				
56						
57			<u> </u>			
58		i				
59						
60			<u> </u>		<u> </u>	
61	<u> </u>	l	<u> </u>			
62	<u> </u>	i	<u> </u>			
63	<u> </u>	1	<u> </u>			_
64					<u> </u>	
65			<u> </u>			
66	<u> </u>					
67		1				
68		I				
69		1				
70	l	١				
71	l					
72						
73		l				-
74						
75						
76						
77		1				
78						I -
79		Li			1.	
80		i				]
81						
82	T	1_1				
83	Į	1				
84						
85		1				
86		l i				
87						
88						
89		1				
90						
91		<u> </u>				
92		(				
93		l i				
94		1				
95		i				
96						
97		1				
98						
99						
100						
TOTAL IND.					1	
TOTAL	<del>                                     </del>	] 🛂 .	<b></b>		<u> </u>	
I DEP.	<del> </del>	т	<b> </b>		<u> </u>	· · · · · ·
TOTAL CLAIMS	1	<u> </u>	1	<u> </u>		

\* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

U.S.DEPARTMENT OF COMMERCE Patent and Trademark Office

FORM PTO-2022 (1-98)

BEST AVAILABLE COPY

## **CLAIMS ONLY**

SERIAL NO. FILING DATE

APPLICANT(S)

CLAIMS

	AS F	ILED		TER NDMENT	AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
f O 1		1				
2		l i	<del>                                      </del>			
3		1	<b></b> -			
4		-	<del> </del>		+	
5		<del>                                     </del>	<del> </del>	<u> </u>		-
		<del>  `</del>	<del>                                     </del>			
6			<del> </del>			<u> </u>
7			<del> </del>		-	
8			<b>├</b>		ļ	
9			<u> </u>			ļ
10		<b>├</b>	<u> </u>	ļ		
11		1	ļ <u>.</u>	ļ		
12		1				
13			<u> </u>			
14		<u> </u>	<u>.</u>			
15						
16						
17		1				
18						
19						1
20						
21			<del>                                     </del>		<b>†</b>	<b></b>
22			<del>                                     </del>	<u> </u>		-
23		<del>                                     </del>	<del>                                     </del>			
24		<del>l i</del> –	_	-	<del>                                     </del>	
25		1	ļ		<del> </del>	<del></del>
		+-	<del> </del>		<del> </del>	
26		++-	<del> </del>			<del> </del>
27		+	<del> </del>		<del>                                     </del>	
28		$\longrightarrow$	<b></b>	-		
29		!	<u> </u>		ļ	
30	ļ	1	<u> </u>		<b>↓</b>	1
31		1			ļ .	
32		1	<u> </u>		ļ	
33			<u> </u>		İ	
34						
35						
36						
37		l l				
38		1	Ī			
39		1 (				
40		T i	1			
41	-		<b>†</b>	1		<b>†</b>
42		1-1	<b>!</b>		t	<b>†</b>
43		11	<del>                                     </del>		<del>                                     </del>	<u> </u>
44		++-	<del>                                     </del>	-		1
45		<del>                                     </del>	<del>                                     </del>	<del> </del>	<del>                                     </del>	<del> </del>
		++-	1	-		
46	ļ	<del>                                     </del>	<del>                                     </del>	<del> </del>	<del>                                     </del>	+
47		1-1-	<b>├</b>	<u> </u>	<b> </b>	-
48		<u> </u>	<u> </u>			
49		$\perp \perp$	ļ		ļ	<u> </u>
50						
TOTAL IND.		1		1		
TOTAL		•	<b>—</b>	<b>—</b>	<b>-</b>	_
DEP.	ļ	,	<u> </u>		<u> </u>	
TOTAL CLAIMS		1	1	Ì	1	l

3						
	*		*		*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
51						
52						
53						
54						
55		1				
56						
57		i				
58		<u>i_</u>				
59		1				
60						
61		i				
62		!				
63			L		<u> </u>	
64		1			ļ <u> </u>	
65		1			ļ	
66		i				
67				L		
68		<u> </u>	<u> </u>		1	
69			<u> </u>			
70			<u> </u>		1	
71			<u> </u>		ļ	
72		1	ļ		ļ	
73			<u> </u>	<u> </u>	ļ	
74			ļ		ļ	
75		<u> </u>	ļ	<u> </u>		
76			ļ	ļ	<u> </u>	
77		1			L	ļ
78		<u> </u>	<b></b>			
79		1	<b></b>	<u> </u>	<b>_</b>	
80		-	<u> </u>			
81		<del>  [</del>			<b>├</b>	
82	<del>-,-</del>	\	<del>                                     </del>		<del> </del>	
84		+	<u> </u>	<del> </del>	<del>                                     </del>	
		<del>                                     </del>		<del> </del>	-	
85		<del>                                     </del>	<del> </del>	<u> </u>	<del> </del>	
86 87	<del> </del>	1	<del> </del>	-	├	
88	<del>                                     </del>	1	<del> </del>		<del>                                     </del>	
89	<del> </del>	<del>                                     </del>	<del>                                     </del>	<u> </u>	<del>                                     </del>	
90	<del>                                     </del>	<u> </u>	<del> </del>	<del>                                     </del>	<del>                                     </del>	-
91	<del>                                     </del>	1	<del> </del>	<del>                                     </del>	<del>                                     </del>	
92	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	<del> </del>	$\vdash$	<u>-</u> -
93	<del>                                     </del>	1	<del>                                     </del>	<u> </u>	<del>                                     </del>	
94	<del>                                     </del>	1	+	<del> </del>	<del>                                     </del>	
95	<del> </del>	<del>                                     </del>	<b>†</b>		<del> </del>	<b></b>
96		<del>                                     </del>		<b></b>	<del>                                     </del>	
97	<b> </b>	<del>                                     </del>		<u> </u>	<del>                                     </del>	
98		;			1	-
99					1	
100	<del>                                     </del>	1	<b>†</b> – – –		<del>                                     </del>	
TOTAL	<del> </del>	<u> </u>	<b></b>	-		_
IND.	<del>                                     </del>					<b>_1</b>
DEP.	ļ		ļ	,	<u> </u>	
TOTAL CLAIMS		<u></u>	<u> </u>	L <u></u>		

\* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM PTO-2022 (1-98)

U.S.DEPARTMENT OF COMMERCE Patent and Trademark Office

\*U.S. GPO: 1998-443-593/89152

## **CLAIMS ONLY**

SERIAL NO. FILING DATE

APPLICANT(S)

CLAIMS

	AS F	ILED	AFTER		AFTER	
			IND.	NDMENT	2nd AME	
20.4	IND.	DEP.	IND.	DEP.	IND.	DEP.
₹\ 2\ 1		]	<del> </del>	-		
2		1	├	<u> </u>	ļ	_
3		<b>-</b>	ļ			
4			<b>├</b>	<u> </u>	<u> </u>	
5		- 1	<b> </b>			
6			<del> </del>			
7		1	<del> </del>	<del></del>		
8		- !	<u> </u>			
9		1	<del> </del> -		<del> </del>	
10			<del> </del> -			
11			<del> </del>	<del> </del>	<del></del>	
12			<u> </u>	<del> </del>		<b> </b>
13 14			<del> </del>		-	<u> </u>
			<del> </del>	<del></del>		<u> </u>
15			<del> </del>	<del> </del>	<del>                                     </del>	
16			<del> </del>	<del> </del>	<del></del>	
17 18			<del> </del>	<del> </del>	<del> </del>	<u> </u>
19			<del>                                     </del>	<del>                                     </del>	-	ļ
20			<del> </del>			
21			<del>                                     </del>			
22	-		<del> </del> -			
23	-		<u> </u>	-		-
24			<del> </del>	<b></b>		<del> </del>
25			<del> </del>		1	
26		ļ	<u> </u>	<del> </del>	<del>                                     </del>	
27		<del> </del>	╆┈┈┈		<u> </u>	
28			<del> </del> -		<del> </del>	<del></del>
29						
30					<del>                                     </del>	
31					<del>                                     </del>	
32		<u> </u>	<del>                                     </del>		<del> </del>	
33	-		<u> </u>		<del>                                     </del>	
34		<u> </u>	<u> </u>		<del> </del>	
35			<del>                                     </del>		<del> </del>	
36		<del> </del>	t	<del></del>		
37			<del>                                     </del>		t	
38			1	!	1	
39						
40		_	T			
41			1			
42			1			
43						
44			T			
45						
46			Î		1	i
47		<b> </b>	1			
48	, i		1			
49	-		1	<u> </u>		
50		<u> </u>	1 -			
TOTAL	2			<b>-</b>		_
IND.	2 208		<b></b>			
DEP.	208		<u> </u>		<u> </u>	·
TOTAL CLAIMS	210	L				ł

1	*		*	<b>*</b>		
	l -				ļ	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
51						
52						
53						
54						
55						
56					-	
57	<u> </u>	i				
58	ļ		1		_	
59			<del> </del> -	<u> </u>	<u> </u>	
60						
61			<del>                                     </del>			
62	<b>—</b>				-	
63			<u> </u>		<del> </del>	
64	<del>                                     </del>	1	<b>-</b>		<del>                                     </del>	
65	<del> </del>		1		<del> </del>	
66	<del>                                     </del>	<del>                                     </del>	1		<del> </del>	
67	<b></b>		ļ	-	<del></del>	
	<del>                                     </del>		<del>                                     </del>			
68		<b></b>	·		ļ	
69 70			ļ	<b></b>	<del>  -</del>	
71						
		-	<u> </u>			
72	-		-	-	<b>├</b> ──	
73				ļ	ļ	<u> </u>
74					ļ	<u> </u>
75					ļ	<u> </u>
76						
77	L				<b> </b>	
78					ļ	
79	ļ					
80						
81					ļ	
82						
83					<b></b> _	
84						
85					ļ	
86					<u> </u>	
87		<u> </u>		ļ	L	
88					<u> </u>	
89				ļ		
90	<u> </u>					
91	ļ					
92						
93		l				
94						
95						
96						
97	l					
98						
99	1		<u> </u>			
100		i				
TOTAL				,		
IND.			<u> </u>			4
DEP.		·			L	
TOTAL CLAIMS	l _	L		LJ		

\* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

U.S.DEPARTMENT OF COMMERCE Patent and Trademark Office

BEST AVAILABLE COPY